ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0603 ADJ1900000005

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[✓] Addendum No. 1	[ ] Addendum No. 6
[✓] Addendum No. 2	[ ] Addendum No. 7
[✓] Addendum No. 3	[ ] Addendum No. 8
[ ] Addendum No. 4	[ ] Addendum No. 9
[ ] Addendum No. 5	[ ] Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

RECEIVED
2018 AUG 29 AM 11:48
WV PURCHASING DIVISION

Pickering Associates
Company

Traci L. Stotts
Authorized Signature

08/29/18
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Traci L. Stotts Architect
(Name, Title)
Traci L. Stotts, Architect
(Printed Name and Title)
11283 Emerson Ave. Parkersburg, WV 26104
(Address)
(304) 464-5305 / (304) 464-4428
(Phone Number) / (Fax Number)
tstotts@pickeringwv.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Pickering Associates
(Company)

Traci L. Stotts Architect
(Authorized Signature) (Representative Name, Title)

Traci L. Stotts, Architect
(Printed Name and Title of Authorized Representative)

08/29/18
(Date)

(304) 464-5305 / (304) 464-4428
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"**Debt**" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"**Employer default**" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"**Related party**" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code* §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Pickering Associates

Authorized Signature: Mari L. Stotts Date: 08/29/18

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 29th day of August, 2018

My Commission expires March 15th, 2021.

AFFIX SEAL HERE

NOTARY PUBLIC OFFICIAL SEAL
STEPHANIE L DONAHOE
State of West Virginia
My Commission Expires
March 15, 2021
292 Herson Ave Charleston, WV 25303

NOTARY PUBLIC Stephanie L. Donahoe

West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

(Required by *W. Va. Code* § 6D-1-2)

Contracting Business Entity: Pickering Associates **Address:** 11283 Emerson Ave. Parkersburg, WV 26104

Authorized Agent: Traci L. Stotts **Address:** Same

Contract Number: CEOI 0603 ADJ 1600000005 **Contract Description:** Architectural/Engineering Ser

Governmental agency awarding contract: WV Army National Guard - Construction & Facilities Mgt. Offi

☐ **Check here if this is a Supplemental Disclosure**

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below *(attach additional pages if necessary)*:

1. **Subcontractors or other entities performing work or service under the Contract**
   ☑ Check here if none, otherwise list entity/individual names below.

2. **Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**
   ☐ Check here if none, otherwise list entity/individual names below.
   Ryan Taylor

3. **Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**
   ☑ Check here if none, otherwise list entity/individual names below.

Signature: Traci L. Stotts Date Signed: 08/29/18

Notary Verification

State of West Virginia, County of Kanawha

I, Traci L. Stotts, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 29th day of August, 2018.

Stephanie L. Donahoe

Notary Public's Signature

To be completed by State Agency:

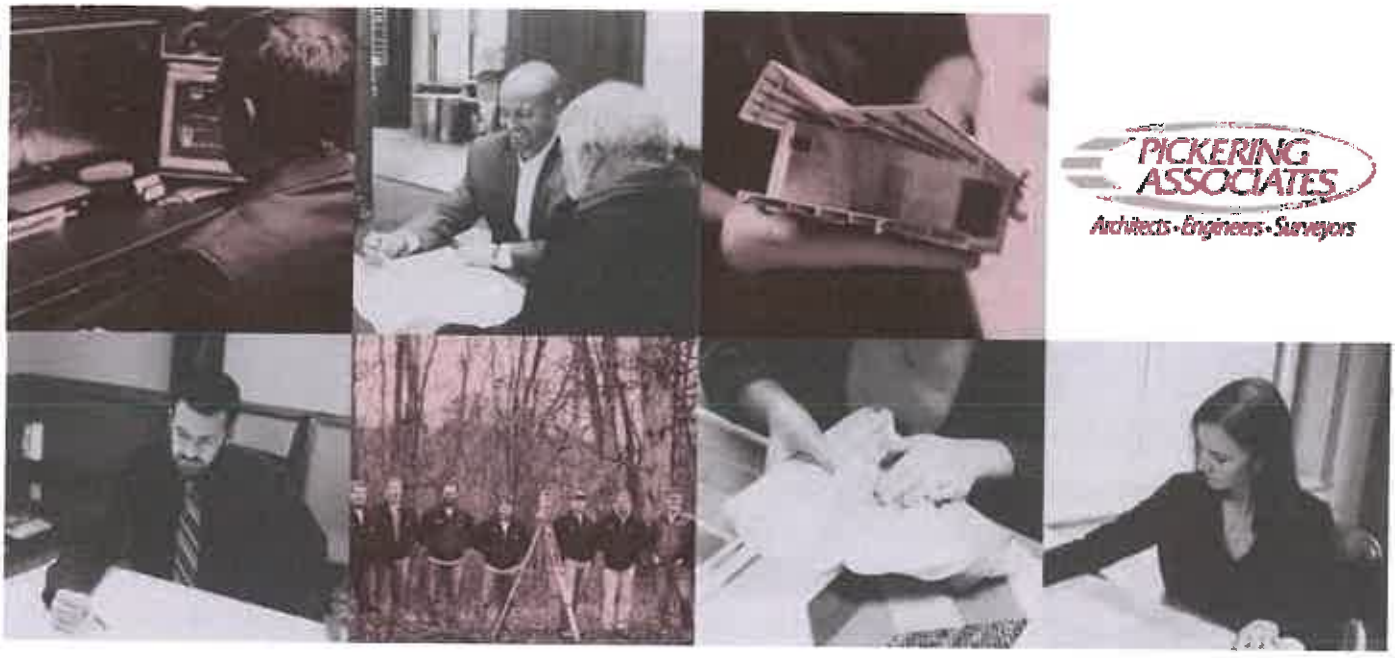
Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

NOTARY PUBLIC OFFICIAL SEAL
STEPHANIE L DONAHOE
State of West Virginia
My Commission Expires
March 15, 2021
232 Henson Ave Charleston, WV 25303

rev. 2017



PICKERING ASSOCIATES
Architects · Engineers · Surveyors

PICKERING ASSOCIATES

EXPRESSION OF INTEREST:
West Virginia Army National Guard - Camp Dawson

Barracks Building 246 Renovations

Kingwood, West Virginia

August 29, 2018

Department of Administration Purchasing Division
2019 Washington Street East
Charleston, WV 25305

PICKERING ASSOCIATES
Architects • Engineers • Surveyors

Dear Review Committee:

Pickering Associates is pleased to have the opportunity to submit this proposal for providing Architectural/Engineering design services for Barrack Building 246 renovations at West Virginia's Army National Guard Camp Dawson Training Center. We feel confident our design team is uniquely qualified to provide design services for this project.

Our unique approach will offer advantages in methodology and delivery, which will elevate the success of your project both now and for years to come. Our firm is capable of providing full architectural and engineering services, in house, to complete the scope of your project and has had the opportunity to provide full architectural and engineering services to multiple governmental agencies throughout our history. Our team, through our past projects and experiences, has learned unique ways to meet even the most challenging of demands. We will take the time to review and evaluate not only the existing equipment but also understand the issues and challenges the owner and personnel are struggling with on a daily basis. Our task following these evaluations will be to provide the owner's team with options to meet their needs and budget. We focus not only on just the initial cost but also life cycle cost to the owner's bottom line and provide insight to all aspects of the scope to allow the owner to make an informed decision; insuring that every dollar is spent wisely.

Through the years, Pickering has taken pride in finding unique solutions to some of the most challenging problems. From a very short delivery/need based schedule for emergency work to limited and stretched budgets/funds. You will find a growing list of repeat clients who come back to Pickering because of the importance we place on each and every job we work on as well as every single client we interact.

Team work is the spirit and foundation of our organization. We acknowledge the importance of a quick turn-around and excellent quality services which our administrative procedures, overall organization and depth of experience are posed to provide you. As you will see from our resumes and company experience, we are uniquely qualified to offer the professional services required and to ensure that your project becomes a reality.

We understand the scope of this project will include a complete renovations design for Barracks building 246, that was constructed in the early 1960's, to a fully functioning housing facility for National Guard Troops. Some of the key designs elements that are needed for the facility include, a new instantaneous domestic hot water system, new highly efficient heating and cooling system, restroom renovations, upgraded windows and doors, as well as LED lighting throughout the entire facility, Additionally repairs are needed for the building structure including the first floor ceiling and 2nd floor flooring, as well as a design solution to domestic water lines freezing in the attic space. We also understand that this facility needs geotechnical work for any necessary drill borings, research on above and under ground utilities and all utility and road infrastructure that may be needed.

Another challenge can come from multiple design firms on one project. With Pickering, our company can provide full services in all areas of architecture and engineering without stepping foot outside our company. Each project/client gets assigned a project lead who handles all coordination within our organization. This structure removes the traditional deflection of responsibility when an issue arises, and gives the client and the project lead a direct understanding of roles and responsibility on the project.

We look forward to personally discussing our qualifications to complete this project on time, within budget and exceeding the standards of any firm you may have worked with previously.

Should you have any questions regarding this proposal, please do not hesitate to contact us.

Respectfully submitted,

Jessica Lee, Marketing Coordinator
jlee@pickeringusa.com | 304.464.5305 EXT: 1115

Contents

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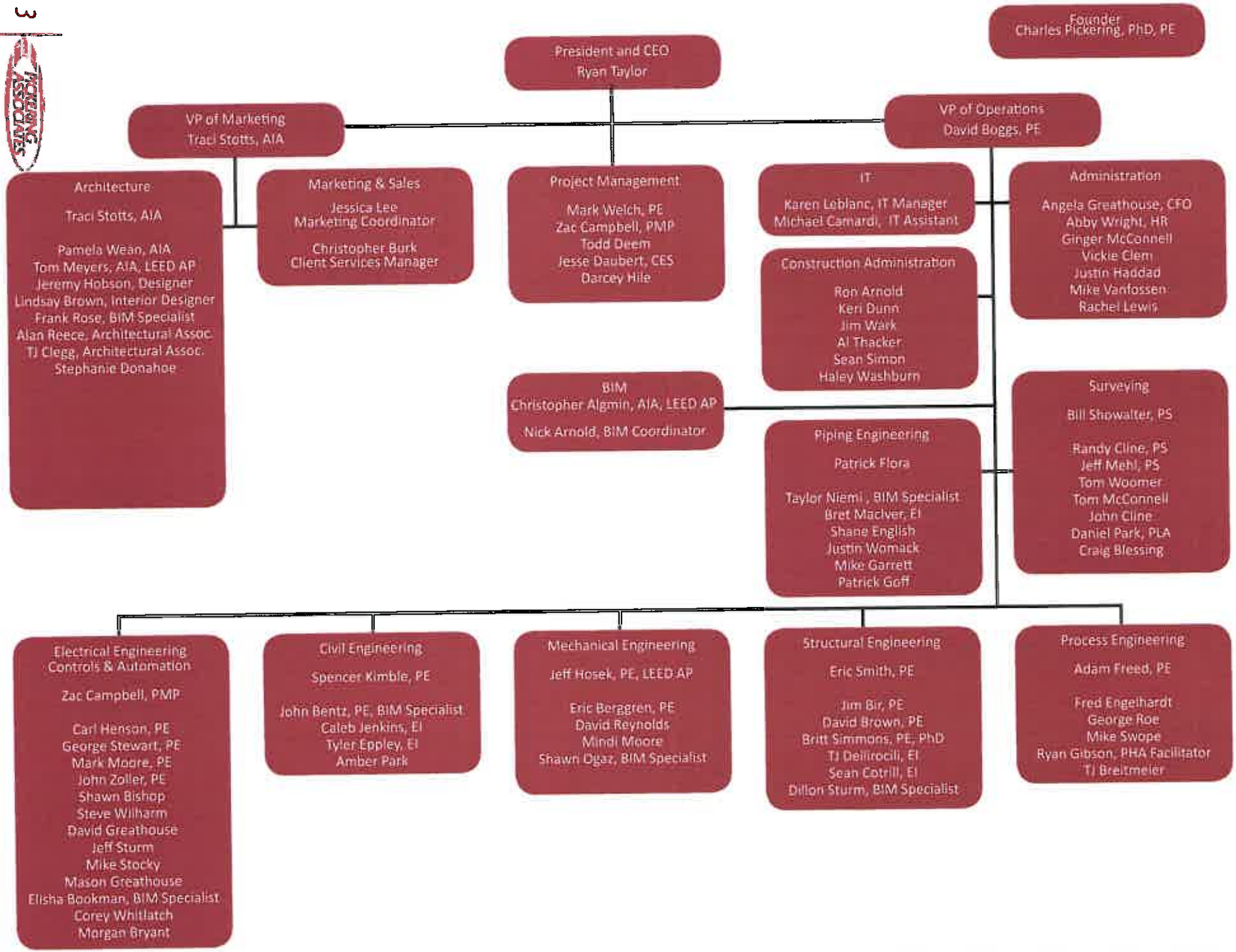
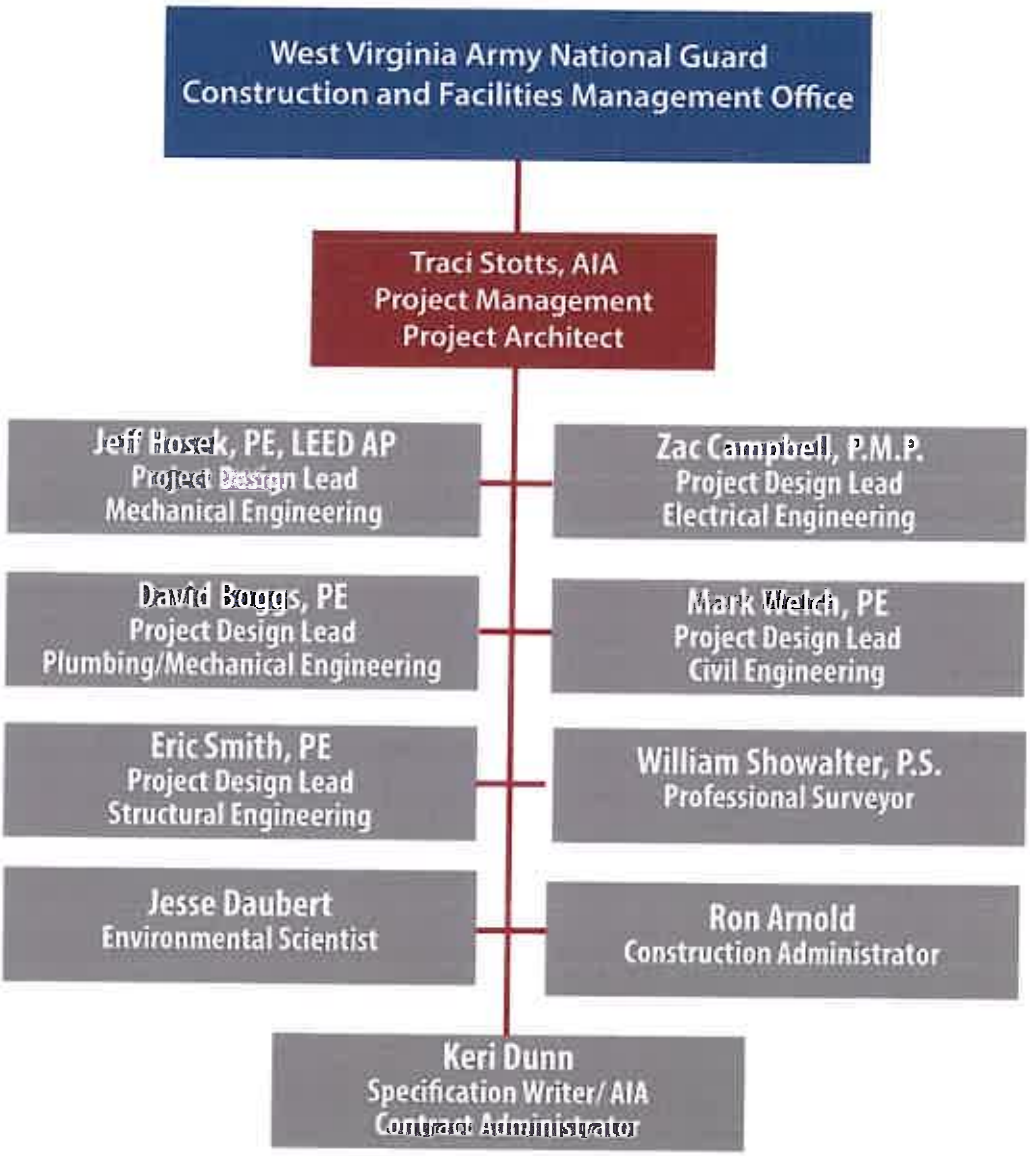
Our Company


Founder
Charles Pickering, PhD, PE
President and CEO
Ryan Taylor
VP of Marketing
Traci Stotts, AIA
VP of Operations
David Boggs, PE
Architecture
Traci Stotts, AIA
Pamela Wean, AIA
Tom Meyers, AIA, LEED AP
Jeremy Hobson, Designer
Lindsay Brown, Interior Designer
Frank Rose, BIM Specialist
Alan Reece, Architectural Assoc
TJ Clegg, Architectural Assoc.
Stephanie Donahoe
Marketing & Sales
Jessica Lee
Marketing Coordinator
Christopher Burk
Client Services Manager
Project Management
Mark Welch, PE
Zac Campbell, PMP
Todd Deem
Jesse Daubert, CES
Darcey Hile
IT
Karen Leblanc, IT Manager
Michael Camardi, IT Assistant
Administration
Angela Greathouse, CFO
Abby Wright, HR
Ginger McConnell
Vickie Clem
Justin Haddad
Mike Vanfossen
Rachel Lewis
Construction Administration
Ron Arnold
Keri Dunn
Jim Wark
Al Thacker
Sean Simon
Haley Washburn
BIM
Christopher Algmin, AIA, LEED AP
Nick Arnold, BIM Coordinator
Piping Engineering
Patrick Flora
Taylor Niemi , BIM Specialist
Bret MacIver, EI
Shane English
Justin Womack
Mike Garrett
Patrick Goff
Surveying
Bill Showalter, PS
Randy Cline, PS
Jeff Mehl, PS
Tom Woomer
Tom McConnell
John Cline
Daniel Park, PLA
Craig Blessing
Electrical Engineering
Controls & Automation
Zac Campbell, PMP
Carl Henson, PE
George Stewart, PE
Mark Moore, PE
John Zoller, PE
Shawn Bishop
Steve Wilharm
David Greathouse
Jeff Sturm
Mike Stocky
Mason Greathouse
Elisha Bookman, BIM Specialist
Corey Whitlatch
Morgan Bryant
Civil Engineering
Spencer Kimble, PE
John Bentz, PE, BIM Specialist
Caleb Jenkins, EI
Tyler Eppley, EI
Amber Park
Mechanical Engineering
Jeff Hosek, PE, LEED AP
Eric Berggren, PE
David Reynolds
Mindi Moore
Shawn Ogaz, BIM Specialist
Structural Engineering
Eric Smith, PE
Jim Bir, PE
David Brown, PE
Britt Simmons, PE, PhD
TJ Dellirocili, EI
Sean Cotrill, EI
Dillon Sturm, BIM Specialist
Process Engineering
Adam Freed, PE
Fred Engelhardt
George Roe
Mike Swope
Ryan Gibson, PHA Facilitator
TJ Breitmeier


West Virginia Army National Guard
Construction and Facilities Management Office
Traci Stotts, AIA
Project Management
Project Architect
Jeff Hosek, PE, LEED AP
Project Design Lead
Mechanical Engineering
Zac Campbell, P.M.P.
Project Design Lead
Electrical Engineering
David Boggs, PE
Project Design Lead
Plumbing/Mechanical Engineering
Mark Welch, PE
Project Design Lead
Civil Engineering
Eric Smith, PE
Project Design Lead
Structural Engineering
William Showalter, P.S.
Professional Surveyor
Jesse Daubert
Environmental Scientist
Ron Arnold
Construction Administrator
Keri Dunn
Specification Writer/ AIA
Contract Administrator

Technical Expertise

Unless you try to do something beyond what you have already mastered, you will never grow.

Ralph Waldo Emerson

Traci L. Stotts, AIA

Position/Title

Architect,
Vice-President of Marketing and Development

Duties

Architect and Project Manager

Education

The Ohio State University
B.S., Architecture
University of North Carolina Charlotte
Professional Bachelor of Architecture
Marshall University
Master of Science in Technology Management

Licenses

Professional Architect WV, OH

Lead Architect for the design of new $20M Emergency Department with private acute care rooms connected with the hospital's North and South Tower. Project consisted of 46 Emergency Department bays, 3 trauma rooms, 3 psychiatric holding rooms, a stat lab, CT scanner, a plain film x-ray unit, support services offices, waiting rooms, lounges, and emergency transport team offices.

Architect and project manager for the renovation of the existing Emergency Department at a local hospital in Parkersburg, WV. Renovations encompassed approximately 15,000 SF on the ground floor and 1,500 SF on the first floor for emergency department expansion. Scope of work included relocating central registration, offices and vending areas to the first floor, reworking the nurse triage and triage waiting spaces, adding a new chaplain office adjacent to the emergency department, creating two additional behavioral health holding rooms, addition of a padded holding room, reworking the security and guest relation spaces with the waiting area, and adding a 700 SF fast-track area with two exam rooms, a procedure room and a nurse station. Other renovations included minor finish upgrades and ensuring that the spaces met code and ADA compliance.

Lead Architect for an addition and renovation to an existing funeral home in Belpre, Ohio. Concerns with gaining additional space to enlarge the facility so as to better serve clientele drove the project. New designs features space to increase the current viewing area, new arrangement room, new entrance vestibule and new porte-cochere. Renovations to the existing facility were slated to better for functional requirements including addition of a multi-purpose room for dinners and other functions, redesign of existing toilet facilities and addition of a children's play area and new kitchen. Exterior upgrades included stone veneer, trellis area and canopies to enhance aesthetic quality.

Designed a 10,000 SF two-story office building for a drilling company in Ellenboro, WV. Pickering worked with the owner and interviewed employees to evaluate their current and future needs. The design includes space for 18 offices, private owner office/quarters, conference rooms, central reception and work areas, employee break room, filing and open two-story vestibule design. Exterior components include a stone veneer base, composite shakes and siding, three exterior porch areas designed with a heavy timber framed look that included wrapping structural members with a miratec wrap.

Lead Architect and Project Manager for design-build renovations of an abandoned lodge into physician's assistant instructional space in Marietta, Ohio. The 14,000 SF, three-story design incorporated departmental offices, conference rooms, toilets, large classroom, instruction space with exam tables, clinical instruction exam rooms, computer lab and student break rooms.

Lead Architect for a $725k fire station annex in Vienna, WV. Project included a 6,300 sq. ft. annex to the existing fire station. The annex contains first floor pull-through truck bay, conference room, equipment storage and restroom facilities and second floor offices and storage space.

Lead Architect and Project Manager for a new $1M two-story office building located on a main thoroughfare in Parkersburg, WV. Exterior appearance was extremely important. This design was based upon a magazine cutout by the owner. The exterior of the building features bay windows, columns and a balcony. The interior features seventeen private offices, a library, two conference rooms, a private conference room, reception area with abundant filing and work spaces, and an elegant lobby complete with curving stairway to second floor.

Women's Center on the ground floor of the Medical Office Building. Renovation included 3,100 sq. ft. area offering a comfortable place for women to receive diagnosis consultation and treatment including ultrasound, digital mammography, stereotactic biopsy, and bone density.

First East renovations included three areas of the first floor of the main hospital for their existing medical/surgical nursing unit and for relocating and expanding dialysis services. The medical/surgical nursing unit included 18 private patient rooms with 4 rooms specifically designed for infection control.

The difference between the possible and the impossible lies in a person's determination.

Tommy Lasorda

Zac A. Campbell, P.M.P.

Position/Title

Electrical Engineer,
Electrical and Controls System Engineering Department Manager

Duties

Electrical Engineering

Education

Fairmont State University
B.S., Electrical Engineering and Technology
Marshall University,
M.S., Engineering Management

Licenses

Project Management Professional,
Project Management Institute

Lead Electrical Engineer for new Emergency Department Consolidation and Patient Room Expansion project. Project scope includes providing design and engineering for the electrical connection to the existing 15kV Mon Power switch tap and the installations of the new medium voltage underground feed to the new facility electrical room, providing design and engineering for the building's electrical distribution system to meet the expectations of the new electrical loads, providing design and engineering for the installation of new receptacles, light fixtures, light switches, electrical equipment for the new floor plan arrangements, providing design and engineering for the life safety requirements, emergency power requirements, and emergency lighting requirements for the new floor plan arrangements, etc.

Electrical Engineer for the renovation of HVAC system in a campus building in Athens, Ohio. Project included replacement of air handling unit motors and specifying wiring of new Variable Frequency Drives.

Electrical Engineer for a new medical office building located in Belpre, Ohio. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, and telecommunication. Extensive coordination was required for the specialized scanning equipment.

Electrical Engineer for OB and Pediatric department renovations. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, telecommunication, nurse call and facility paging to fit the new floor plan.

Electrical Engineer for Fifth Floor Medical/Surgical Nursing Unit Renovations. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, telecommunication, nurse call and facility paging to fit the new floor plan.

Electrical Engineer for Third Floor Medical/Surgical Nursing Unit Renovations. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, telecommunication, nurse call and facility paging to fit the new floor plan.

Electrical Engineer for an emergency room, fast-track, and central registration renovation project. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, telecommunication, nurse call and facility paging to fit the new floor plan.

Electrical Engineer for a the design and construction administration of a new 1200A, 480V electrical service and electrical distribution system in an existing building in Downtown Parkersburg, WV for West Virginia University at Parkersburg's new Downtown Center. The project includes a new main panel and subpanels throughout the building for future building loads.

Electrical Engineer for the relocation of three cardiac catheterization laboratories. Project consisted of three new cath labs, adjacent control rooms, equipment rooms, special procedure bays, echo room, stress testing room and various support spaces.

Electrical Engineer for the installation of two (2) uninterruptable power supplies for the main operating rooms and the ambulatory surgery rooms at Marietta Memorial Hospital.

Electrical Engineer for the Fourth Floor Acute Care Unit Renovations. Project included renovations to approximately 19,600 SF of the fourth floor at the north tower and east/west wings of the main building at the Memorial Campus. The area was renovated to accommodate 33 private acute care patient rooms, 10% of which are ADA compliant. The project also included provisions for nurse stations, clean utility, soiled utility, nourishment, medication rooms, storage rooms, central bathing facilities, offices, staff locker rooms, and various other support spaces as required by the functional program.

Jeffrey D. Hosek, P.E.

Position/Title

Mechanical Engineer
LEED Project Engineer
Mechanical Engineering Department Manager

Duties

Mechanical Engineer

Education

University of Akron
B.S., Mechanical Engineering

Licenses

Professional Engineer WV, OH, KY, PA

Sometimes the questions are complicated and the answers are simple.

Dr. Seuss

Lead Mechanical Engineer for Emergency Department Consolidation and Patient Room Expansion project. Project scope includes providing design and engineering for the steam connection to the existing heating plant on the south tower with an underground feed to the new facility, coordinating heating tie-in, provide design and engineering for the heating piping distribution, provide design and engineering for the building's new chiller plant and piping distribution, provide design and engineering for the building's air moving equipment and distribution, provide design and engineering for the installation of miscellaneous equipment for the new floor plan arrangements.

Mechanical Engineer of record for the conversion of a multi-unit HVAC system into a more efficient single unit system at the Caperton Center on the campus of West Virginia University at Parkersburg. Added additional zones to allow for additional user control of set points.

Mechanical Engineer for a new FBI field office in Cleveland, Ohio. Energy efficient equipment and significant sound attenuation materials were used in this four-story building.

Lead Mechanical Engineer and Project Manager for OR Chilled Water project at Cabell-Huntington Hospital. Provided design options for reducing the levels of acceptable ranges, and implemented installing another chiller in series and replacing fan and coil components of the existing operating room air handling units.

Lead Mechanical Engineer for a new 5,400 SF medical office building located in Belpre, Ohio. This office is a satellite office for a previous client who wished to expand services. The new building is home to an Osteoporosis Clinic and DXA scanning suite which are capable of operating independently of each other.

Lead Mechanical Engineer for OB and pediatric department renovations. Project included re-routing existing portions of the supply, return and exhaust ductwork and modify/install new as necessary for the renovated spaces. Project also included relocated air devices and thermostats.

Lead Mechanical Engineer for Fifth Floor Medical/Surgical Nursing Unit Renovations. Project included removing two P-TAC units from each of the patient rooms on the north wing of the project area and replace with a 4-pipe heating-cooling unit in the ceiling space and new chilled and steam piping routed from the mechanical penthouse. Control for the units was connected to the existing facility automation system.

Lead Mechanical Engineer for a new Healthcare suite on the fourth floor of the main hospital. Project included re-routing existing portions of the supply, return and exhaust ductwork and modify/ install new as necessary for the renovated spaces. Project also included relocated air devices and thermostats.

Lead Mechanical Engineer for the renovation of the first floor for Nursing and Dialysis. Project included design of new system for isolation rooms, re-routing existing portions of the supply, return and exhaust ductwork and modify/install new as necessary for the renovated spaces. Project also included relocated air devices and thermostats.

Lead Mechanical Engineer for the renovation of First East. Project included the renovation of over 11,000 SF of existing space on the first floor of the main hospital. Design included a medical/surgical nursing unit, dialysis and isolation area. The isolation rooms each required separate HEPA filter systems among other precautionary steps.

LEED project manager for converting a downtown Columbus, Ohio fire station into a local family health center. Replaced existing mechanical and electrical systems with updated energy-efficient systems. Existing equipment was recycled to limit construction waste and utilized local and regional materials to comply with LEED requirements.

Prepared plans for new VAV indoor steam and chilled water air handler with humidification for new surgery rooms. Reworked existing piping and ductwork to work with floor plan revisions.

David A. Boggs, P.E.

Determine that the thing can and shall be done, and then we shall find the way.

Abraham Lincoln

Position/Title

Senior Mechanical Engineer, Plumbing Engineer
Vice President of Operations

Duties

Mechanical and Plumbing Engineer

Education

Virginia Tech,
B.S., Mechanical Engineering
Marshall University,
M.S., Engineering Management

Licenses

Professional Engineer WV, OH

Lead Plumbing Engineer and Mechanical Engineer for Emergency Department Consolidation and Patient Room Expansion project. Plumbing and mechanical scope included review existing conditions for medical gas tie-ins to existing systems in South Tower, reviewing and evaluating water source requirements for proposed addition with CCMC Engineering Department, reviewing existing drawings and work to determining underground sanitary tie-in location, providing design and engineering for the medical gas distribution systems for the expansion, etc.

Mechanical/Plumbing Engineer of record for new $7MM medical office facility in Parkersburg, West Virginia. Building was designed for multiple HVAC zones to reflect tenant separation requirements of the building owner. Tenant design was based on Pharmacy, prosthetic laboratory, medical offices and a restaurant. Common restrooms, private bathrooms, and exam room sinks comprised the plumbing system design requirements.

Mechanical Engineer of record for a $1MM medical/dental office facility in Parkersburg, West Virginia. Design included packaged HVAC systems with multiple zones and facility exhaust systems. Plumbing design included dental vacuum and air systems as well as domestic water distribution systems for building tenants, including tenant restroom requirements to meet code requirements.

Plumbing Engineer of record for a new 5,400 SF medical office building located in Belpre, Ohio. Design included domestic water distribution system for exam room sinks and facility restrooms as well as sanitary and storm water drain, waste vent system design all in within the state plumbing code requirements.

Plumbing Engineer of record for the renovation of first floor patient rooms and dialysis center for a hospital facility in Parkersburg, WV. Project design included 18 private patient room bathrooms four with ante room lavatories and ADA accessibility, all equipped with a shower fixture. Design also included the relocation of the hospital's dialysis unit and plumbing systems, a 4 bed unit. Plumbing design for the 18 patient rooms included a new medical gas distribution system specification for the med-gas outlet headwalls.

Lead Plumbing Engineer for OB and pediatric department renovations. Project included new triage, waiting, private rooms with new enlarged toilet rooms including showers, and rework of existing tub rooms to relocate an existing pediatric tub and add a new shower.

Lead Plumbing Engineer for Fifth Floor Medical/Surgical Nursing Unit Renovations. Project included replacing/relocating fixtures for ADA compliance.

Lead Plumbing Engineer for Third Floor Medical/Surgical Nursing Unit Renovations. Project included replacing/relocating fixtures for ADA compliance in the twenty-seven patient rooms, staff rooms and various shower/tub rooms. Also replaced an existing shower room tub with a shower and designed a new shower room.

Lead Plumbing Engineer for a new Healthcare suite on the fourth floor of the main hospital. The project included 8 private patient toilet rooms, one semi-private room with ADA accessible toilet rooms, two new shower rooms, and one bath room with tub. Project also required the addition of medical gas and relocation of existing sprinkler heads.

Lead Mechanical and Plumbing Engineer for a new 37.5 bed Behavioral Health Unit which was designed to be located in existing space on the third floor of the Main Hospital. Spaces included eighteen semi-private and one private patient room, two group therapy rooms, dining area, laundry room, shower rooms, nurses station, physicians offices, consultation area, activity area, family visitation area, support area and staff locker room.

The joy of engineering is turning today's dream into tomorrow's realty.

Mark Welch, P.E.

Position/Title

Senior Project Manager
Civil/ Structure Engineer

Duties

Project Management

Education

West Virginia University
B.S., Civil Engineering
Marshall University,
M.S., Engineering Management

Licenses

Professional Engineer WV, OH, LA, PA, IN, TN

Assisted with site selection and planning for a new salt and motorcycle storage building for a local university in Parkersburg, WV.

Designed grading, drainage and pavement of site development for a new fast-food restaurant in Parkersburg, West Virginia. Provided foundation design for a pre-designed corporate prototype building.

Project Manager for the Civil/Architectural/Structural departments for a 3,500 sf restaurant in Weston, WV. Responsibilities include assisting with the design and drafting of project documents and coordination between architectural and structural engineering departments.

Project Manager for the field examination and research on the cause of roof shingle damage on an insurance building in Mason, WV. Other duties involved writing investigation reports and providing engineering recommendations for fixing the existing conditions without a repeat occurrence.

Project Manager for an investigation and reporting on the cause of a structural collapse of the fifth floor roof at a hospital in Parkersburg, WV. Responsibilities included the development of the structural analysis report and recommendations to fix the issues at hand.

Structural design and drafting on a rad room renovation at a hospital in Parkersburg, WV. Work included installation of a new x-ray machine and new structural supports.

Designed a new storm sewer system for a higher education roadway project in Athens, OH. Responsibilities included designing site plan, profiles, etc., creating front end bid documents and construction specifications as well as performing construction administration.

Project Manager and Designer for the grading, site layout and drawings of a state-of-the-art skate board park in Marietta, OH.

Designed site grading and parking layout for bank in Parkersburg, WV. Responsibilities included performing storm water drainage calculations to obtain permits and designed a swale to hold excess storm water and outlet pipe.

Coordinated the Civil/Structural department involvement as well as assisted with the design of the structural & civil disciplines to construct a new viewing room addition, driveway, porte-cochere and pedestrian walkways on a funeral home in Belpre, WV.

Designed storm water system and new grading layout for a fire department annex in Vienna, WV. Other duties also involved assisting with the design, drafting and construction estimate of the civil and structural project elements of the new two-story facility.

Prepared bid documents for multiple oil and gas projects throughout Ohio and West Virginia. Responsibilities included final assembly of drawings and specifications, preparation of pre-bid agendas, providing responses to Requests for Information (RFIs), and leading Pre-Construction meetings between contractors and clients.

Performed construction administration for multiple oil and gas projects in Ohio and West Virginia. Responsibilities included close communication with owner, preparation of agendas, attending/leading weekly progress meetings, reviewing and approving Applications for Payment, initiating and reviewing necessary Change Order documentation, performing routine site inspections, and reviewing construction-related reports.

Performed remediation design for multiple existing drill pads in Ohio. Remediation measures include preliminary design/layout of embankment toe support (incl. retaining walls), addressing subsurface drainage deficiencies, and overall slope stability, along with required plan development and approval through governing agencies within the Ohio Department of Natural Resources.

Perfection is not attainable, but if we chase perfection we can catch excellence.

Vince Lombardi

Eric Smith, P.E.

Position/Title

Structural Engineering Department Manager
Civil/Structural Engineer

Duties

Civil/Structural Engineer

Education

West Virginia University
B.S.C.E., Civil Engineering

Licenses

Professional Engineer WV, OH

Civil Engineer on Eureka Hunter Pipeline, L.L.C. Low Water Crossing. Duties included designing substructure (consisting of a concrete capped pile abutment with vertical and battered piles). Coordinated with the super-structure design engineer for bridge reactions and necessary abutment details to incorporate the superstructure bearing. Also, assisted with the construction drawing package.

Civil Engineer on several projects for the City of Marietta including the Gilman Avenue Slip, Rathbone Area Drainage Study and Storm sewer assessment, Lancaster Street Improvements, Sixth Street Area Mitigation flood control, and Water Treatment Plant slip repair.

Generated detailed engineering drawings, quantities, and material estimates for bridge replacements for the following counties in Ohio: Meigs County (County Roads 1, 8, 10, 14, 22, 35, 43, 52, and 82), Morgan County (County Roads 16, 53, 62, and 66 and Township Roads 48 and 106), and Washington County (County Road 354, several Township Roads, and Veto Lake)

Reviewed drawing designed for The Point Commercial Park for Lawrence Economic Development Corporation. Responsible for foundation and column design. Modeled the structure using STAAD and performed wind load, connection, and foundation calculations.

Reviewed structural drawings for a new addition of the Holzer Clinic and evaluated adequacy of the structural members and connections.

Collected field data, created a roof model, calculated loads and generated drawings and recommendations for roof repairs at First Congregational Church.

Professional experience also includes providing accurate field notes and sketches, development of drawing layouts, details, and section drawings; providing calculations, and writing investigation and observation reports.

Extensive technical experience with civil, structural, and geospatial software packages including STAAD Pro, Presto, Enercalc, AutoCAD, AutoDesk Land Desktop, AutoDesk Civil 3D, and Topo USA.

Senior Project Manager and Structural Engineer of Record for Catwalk at Ohio University. Project included the reconstruction of a deteriorated portion of the elevated concrete walk in front of Crawford Hall. Involved inspection, design and construction administration.

Senior Project Manager and Structural Engineer of Record for Catwalk at Ohio University. Project included the reconstruction of a deteriorated portion of the elevated concrete walk in front of Brown Hall. Involved inspection, design and construction administration.

Ronald D. Arnold

Position/Title

Senior Construction Administrator,
Estimator

Duties

Project Administration
Construction Estimating

Real success is finding your lifework in the work that you love.

David McCullough

Project Manager for the design and construction of a new annex for Fire Department in Vienna WV. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, bidding, and negotiation. As with any public project, there were a multitude of statutes to be adhered to.

Construction Administrator and Project Manager for a renovation project at the Marietta City Hall Building in Marietta, OH. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, interviews with all City departments, bidding, and negotiation. As with any public project, there were a multitude of statutes to be adhered to.

Project Manager for the design and construction of a new annex for Vienna Police Department. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, bidding, and negotiation. As with any public project, there were a multitude of statutes to be adhered to.

Construction Administrator and Project Manager for a new branch library in South Parkersburg. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, interviews with all key staff, reports to all stakeholders, construction progress photography, coordination with Bostwick Design Team and the Wood County Library, and contract administration.

Construction Administrator and Project Manager for the replacement of Washington County Public Library roof. Replaced clay tile roof and tin lining. Total project cost - $260,000. Responsibilities included specification of new roof material, bid document coordination and contractor oversight.

Project Manager for the renovation of a two story 100 year old library in Marietta, Ohio. Responsibilities included building the project estimate, coordinating and managing the project scope, budget and schedule between field operations, architect and the owner. Challenging aspects on this project included adding a dormer and third floor into the attic space, adding a mezzanine above one third of the main floor level.

Project Manager for the 2nd floor renovations and an elevator addition to the City of Vienna Senior Center in Vienna, WV. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, bidding, and negotiation. As with any public project, there were a multitude of statutes to be adhered to.

Project Manager for the historical renovation of a four story 100 year old building on a college campus in Marietta, OH. Responsibilities included building the project estimate, coordinating and managing the project scope, budget and schedule between field operations, architect and the owner. Challenging aspects on this project included value engineering to meet the client's budget, meeting the client's 7 month construction schedule, installing an elevator in the center of the building, replacing the original wood windows with new mill-built insulated glass windows utilizing the old sash weight and chain counterbalance system, reinforcing the original wood floor and roof framing, replacing all the paneled wood doors and multi member wood trim with new to match existing the profiles, all new interior finishes, complete new plumbing, HVAC, sprinkler and electrical systems.

Construction Administrator for the roof replacement at Camden Clark Medical Center. Scope included scheduling and leading pre-construction meetings with contractor and client, bi-weekly progress meetings during construction, provide weekly site visits, submittal review, RFI's, request for payments, change orders, and certificate of substantial completion. Arnold performed a thorough inspection of the jobsites and confirmed that the entire scope of the project was complete.

William B. Showalter, P.S.

We all live under the same sky, but we don't all have the same horizon.

Konrad Adenaur

Position/Title

Professional Surveyor,
Surveying Department Manager

Duties

Surveyor

Education

B.S., Civil Engineering

Licenses

Professional Surveyo[redacted]

WV Society of Professional Surveyors, National Society of Professional Surveyors

Lead Surveyor on Vienna Johns Manville Acquisition. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on First Colony Center commercial development, Marietta, OH. Boundary, and topographic survey of pre construction (existing) facilities. Construction layout of development. 15+- Acres, Cost >$80,000, Managed office and field work.

Lead Surveyor on Jackson and 9th Street Tank Replacement. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on City of Vienna Water Tanks Renovation Project, Vienna, WV. Boundary, and topographic survey of pre construction (existing) facilities. Preparation of construction easements. 12+- Acres, Cost >$10,000, Managed office and field work.

Lead Surveyor for City of Marietta Green Street Widening Project. Survey of existing buried / aerial lines. Topographic survey of proposed widening area. 4000+ LF, Cost < $7000, Performed Field work, prepared deliverables and managed office.

Lead Surveyor on 40th Street Storm Sewer Life Station in Vienna, WV. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on 60th Street Public Works Facility in Vienna, WV. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on the Muskingum River Force Main in Marietta, OH. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on the Green Street Waterline Replacement in Marietta, OH. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on the Sherry Drive Waterline Replacement in Marietta, OH. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on the Bike Path Alignments in Marietta, OH. Provided boundary and topographic surveying, utility mapping, and managed office and field work.

Lead Surveyor for Emergency Management Mapping in St. Marys, WV. Provided boundary surveying and topographic surveying, utility mapping, and managed office and field work.

Lead Surveyor on Muskingum Drive Realignment in Marietta, OH. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Genius is 1% inspiration and 99% perspiration.

Thomas Edison

Jesse Daubert

Position/Title

Project Manager
Environmental Scientist

Duties

Environmental Science

Education

Marietta College,
B.S., Environmental Science

Certification

Certified Environmental Scientist – National Registry of Environmental Professionals
Ohio EPA Credible Data Program: Level 2 – Habitat Assessment – QHEI
Ohio EPA Credible Data Program: Level 2- Benthic Macroinvertebrate Assessment- Sample Collection, Identification and Data Evaluation
Wetland Professional in Training

Project Manager and Client Relations Manager for capital and non-capital projects at Kuraray America, Inc., a global leader in specialty chemical, fiber, resin, and film production.

Project Manager and Environmental Lead for a Phase II Environmental Site Assessment of anew commercial facility in Lore City, Ohio. Managed drilling crew, soil sampling, laboratory analysis, etc.

Design Construction Liaison for a $28 million industrial design build project adding a new product line at Kuraray America, Inc.

Project Manager and Environmental Lead for cleanup of contaminated soils from a site previously utilized as a scrap metal recycling facility. Directed excavation of soils, soil sampling, laboratory analysis and disposal of the contaminated soils.

Erosion and Sediment Control Site Reviews. Conducted on site field reviews of post construction erosion and sediment control BMP's at four (4) separate horizontal well pads. For each site I reviewed and documented the following along both the well pads and the access roads to the pads:

- approximate amount of permanent vegetation growth on site
- any erosion rills or land slips that had formed on the cut/fill slopes
- effectiveness and functionality of diversion ditches, sediment traps, and riprap channels
- effectiveness and functionality of all other erosion and sediment control structures such as silt fence and erosion control matting

Stream and Wetland Delineations. Conducted field reconnaissance of three (3) project sites to determine where streams and wetlands existed so that those sites could be avoided, if possible, by the Civil Department during the design phase of those projects. This was completed by documenting the delineated streams and wetlands in the field with the use of a Topcon GRS1 GPS receiver. Official reports detailing all of the streams and wetlands that were delineated on each site were then generated and provided to the clients.

Permitting, USACE Nationwide Permits and State 401 Water Quality Certification.

- Put together three (3) separate United States Army Corps of Engineers (USACE) Nationwide Permit applications (which also include the State 401 Certification) for customers wanting to develop a site that would impact either streams and/or wetlands. These permit applications were based on the Stream and Wetland field delineations discussed earlier.

- Conducted a Historical Significance Review for one of our project sites that is awaiting approval of their permit. This was done to provide more detail for the project and to show that the proposed project would not have an impact on any structures or areas of historical significance.

- Have reviewed the details of an approved Individual State of Ohio 401 Water Quality Certification for one of our customers and have planned a strategy for fulfilling the monitoring requirements of this certification after construction of the project is complete.

ArcGIS Cartography. Utilize ESRI's ArcGIS software for numerous purposes including:

- producing various site maps for all reports necessary

- using land use data, Digital Elevation Models, topography and data from the National Wetlands Inventory to provide an early review for customers wanting to develop projects within areas that may have potential environmental concerns

- working with the Civil Engineers to conduct floodplain modeling

Friends of Lower Muskingum River. Southern Watershed Action Plan

- Through a grant from the Ohio Department of Natural Resources, developed a Watershed Action Plan that was fully endorsed by the State of Ohio

Keri L. Dunn

Position/Title

Specification Writer
AIA Contract Administrator

Duties

Specification Writer, Bid Administration and Contract Administration

Education

Washington State Community College
A.S., Industrial Technology

If you want to be creative in your company, your career, your life, all it takes is one easy step ... the extra one.

Dale Dauten

Bidding Coordinator and Construction Contract Administrator. Bid duties include preparation of front end specifications required for procurement, addressing bidding questions, preparing addenda, receiving and tabulation of bids, and issuing letter of intent. Contract Administration duties include preparing and executing contract documents, change proposal requests, change orders, change directives, receiving bonds and insurance from contractors, processing pay applications and closeout documentation. Familiar with WV School Building Authority Requirements and various grant requirements including the American Recovery and Reinvestment Act. Projects have included:

Recent projects include:

- Roof Replacement at Parkersburg High School Field House.
- Roof Replacement at Camden Clark Medical Center.
- Roof Replacement for the Washington County Public Library.
- Facade Renovations at West Virginia University at Parkersburg's Downtown Center.
- New Elevator Installation at West Virginia University at Parkersburg's Downtown Center.
- Electrical Service and Distribution at West Virginia University at Parkersburg's Downtown Center.
- Roof Replacement at West Virginia University at Parkersburg's Downtown Center.
- Asbestos Abatement at West Virginia University at Parkersburg's Downtown Center.
- Chiller Replacement at West Virginia University at Parkersburg's main campus.
- Salt and Motorcycle Storage Building at West Virginia University at Parkersburg's main campus.
- HVAC Upgrade project at West Virginia University at Parkersburg's Caperton Center.
- Fire Alarm Upgrades at West Virginia University at Parkersburg's main campus.
- Elevator Control Modernization at West Virginia University at Parkersburg's main campus.
- New Spec Process Building in Davisville, WV - multiple prime contracts.
- New Industrial Plant in Millwood, WV - multiple prime contracts.
- Energy Saving Implementation for Wood County Commission - multiple prime contracts.
- Access Safety at all Wood County School locations.
- Structural Repairs at Wood County Board of Education.
- Brick Repairs at an elementary school for Wood Co. Schools
- Boiler Replacement at an Elementary School in Wood County, WV.
- Welding Shop Ventilation replacement at the Wood County Technical Center.
- Access Safety renovations at all Wirt County School locations.
- Access Safety renovations at several addition entrances for Wood County Schools.
- Access Safety and Main Entrance Renovations for Wood County Schools - four phases of implementation.
- Electrical Upgrades at two elementary schools for Wood County Schools.
- HVAC Renovations at the Wood County Courthouse for the Wood County Commission.
- Fifth Floor Renovations at Camden Clark Medical Center - Memorial Campus.
- Third Floor Renovations at Camden Clark Medical Center - Memorial Campus.
- Roof Replacement at the Polymer Alliance Zone in Davisville, WV.

Our Services

Comprehensive Design

At Pickering Associates, we understand the importance of keeping the Client informed and engaged throughout the entire design and construction process. It is crucial to the project to get the Client involved early in the process along with other key stakeholders, in order to understand the needs of the facility. Our plan would be to engage the key stakeholders in regular design meetings to ensure expectations and schedules constraints are met.

Our design process will begin with schematic design. We feel that time spent with your staff to better understand the project, will allow us to be more efficient in completing the schematic design phase for this project and progress us to the next phase quicker than our competitors, therefore allowing us to meet your anticipated design schedule.

We always involve the authorities-having-jurisdiction during the schematic design to make certain that we address any and all concerns that they may have, thus reducing costly changes during design and/or construction. We have a close working relationship with agencies such as the West Virginia State Fire Marshal's Office and are familiar with the local and state requirements that need addressed for a wide range of projects. At the end of the schematic design phase Pickering will present rough sketches to the owner for approval. These sketches will provide the owner with the opportunity to verify that we have correctly interpreted your desired functional relationships between various activities and spaces. The sketches will also provide the client with a general indication of the exterior design and overall look of the addition. Once schematic design is complete, we will move into the design development phase for the project.

The design development phase is a transitional phase where the design team moves into developing the contract documents. In this phase, the architects and engineers prepare drawings and other presentation documents to crystallize the design concept and describe it in terms of architectural, electrical, mechanical, and structural systems. In addition, we will also prepare an estimate of probable construction costs so you will have a better indication of anticipated project costs. By preparing this estimate early in the design process, it will allow us to identify potential cost savings that may be required to keep the project within your anticipated budget. At the end of the design development phase, the architect will provide the client with drafted to-scale drawings that will illustrate the project as it would look when it's constructed. These drawings will specifically define the site plan, floor plans and exterior elevations. It is important that the client provide input to the architect at this time as the design development drawings are used as the basis for the construction drawings and used to further develop and refine the estimate of probable construction costs for the project.

Once the Owner has approved the design development phase, the Architect prepares detailed working drawings, thus progressing into the construction document phase of the project. During this time, final drawings and specifications are produced for the project. These documents will be used for bidding the project to contractors. These drawings and specifications become part of the construction contract. The construction documents will include all necessary information to ensure that the project will be constructed as conceived by the Owner and design team. Renderings and/ or a physical 3D model can also be prepared (if desired by the client) to accurately portray the final design and to use as a marketing tool.

Pickering Associates can handle the bidding & negotiation phase of the project with our experienced in-house construction administration team. We have systems in place, and are equipped to electronically distribute the bidding documents to contractors and equipment suppliers interested in bidding the project, as well as produce hard copies as required. We will assist in contacting contractors to get interest in bidding the project, answer requests for information during the bidding process, assemble addendums, schedule, coordinate and lead a pre-bid meeting, and assist the owner with bid opening and contractor evaluation.

During construction administration Pickering Associates can be an agent of the owner, overseeing construction to ensure conformity to construction drawings, specifications, and standards. Pickering will assist the owner in awarding the contract, lead and coordinate weekly construction meetings, produce meeting agendas and meeting minutes, answer RFI's from contractors, review submittals, process change orders and pay applications, perform regular site visits, complete a punch list at the end of the project, and keep the owner informed throughout the entire process. This closely monitored process helps to ensure that the final project represents the intended design as indicated in the construction documents.

Consensus Building

Consensus building is essentially mediation of a conflict which involves many parties and is usually carried out by a facilitator that moves through a series of steps.

In the beginning, our facilitator or project manager identifies all of the parties who should be involved, and recruits them into the process. We propose a process and an agenda for the meeting, but allow the participants to negotiate the details of the process and agenda - giving the participants a sense of control of the process. This process builds trust between the participants and the facilitator, between the participants themselves, and with the overall process.

Defining and often re-defining the conflict is usually the next step. The project manager will get the participants to define the issues in terms of interests, which are usually negotiable, rather than positions, values, or needs, which usually are not. The project manager will then get the participants to brainstorm alternative approaches to the problem. This is typically done as a group effort, in order to develop new, mutually advantageous approaches. After the participants generate a list of alternate solutions, these alternatives are carefully examined to determine the costs and benefits of each (from each party's point of view), and any barriers to implementation are documented. Eventually, the choice is narrowed down to one approach which is modified, until all the parties at the table agree to the solution. The project manager then takes the agreement back to the owner for discussion and approval.

Cost Control

Through the development of the project scope, number of units to be designed and site evaluations, we take into consideration the budget available or targeted to assure funds are accounted for early in project development. Once a preliminary site and building footprint is defined, we take the time to develop an estimate of probable project costs and alert our clients of any differences between project budget and the anticipated project costs.

Quality of Work

While a project budget may limit the use of traditionally expensive materials, Pickering still sees the importance of using proven materials which will provide a quality project while being cost effective. Importance is always placed on areas where small amounts of upcharge can create the largest impact to the future tenants and provide an inviting environment. As professionals, we are also tasked with finding cost effective solutions which still provide the building owners with years of excellent service. While every individual project we have designed is unique, there are common design elements and materials which have proven over the years to be best suited for similar projects.

Performance Schedule

With the selection of Pickering Associates, your organization gains the full depth of our organization. All projects are scheduled out through all phases of delivery by our resource manager and the project manager, assigning the necessary resources to perform to the schedule necessary for that project and highlight major milestones long before they could become an issue. With more than 70 professionals on staff, you can be confident that Pickering Associates has the resources to meet your project schedule.

Sustainable Design

Pickering Associates is a LEED affiliated firm. We have architects and engineers that are current with LEED registration and the firm has completed multiple projects ranging from the certified level to platinum. We use software and best engineering practices to provide the end user the most energy efficient building systems. When you combine this with providing architectural design that works with these systems for insulation and avoidance of solar heating, you end up with an energy efficient building.

Multi-discipline Team

We also believe that because we are a full-service firm, (having the majority of the designers, architects, engineers, landscape designers, surveyors, project managers, and construction administration professionals on staff and under one roof), we are able to provide a better coordinated project than firms who are required to use many outside consultants. We organize regular in-house project team coordination meetings throughout the design phases of a project to discuss and work-out any issues or concerns that may arise. We feel that this face-to-face coordination with our design team is more effective and efficient than coordinating via email or over the phone. Our close coordination efforts have proved valuable in many cases where the design schedule is accelerated and/or where there is equipment in the project that requires the effort and coordination of several disciplines. Typically, there are more change orders in firms that are not full service due to the difficulty and time required for drawing coordination.

Cost Estimation

In order to provide estimates for probable construction costs with accuracy, Pickering subscribes to and utilizes RS Means CostWorks On-Line. This tool provides comprehensive, localized, and up-to-date construction costs to help us create reliable estimates for our projects.

We know the importance of not only understanding our client's budget, but ensuring that the project is designed to fit into (and stay within) that budget. When an exterior addition is involved, we do our best to give our client a project that will not only look nice, but provide a design that will fit into the context of the existing facility by making it look like it belongs. We do not feel that it is appropriate to over-design a project to make a statement – thus increasing construction costs and making it difficult to stay within the client's project budget. We believe that it is more important to design features into the project that will allow for a better functioning project.

We utilize cost control methods to make sure that the overall project budget does not increase without the client's knowledge or prior approval. We typically provide an updated estimate of probable construction costs for each phase of design, thus monitoring and providing control for the project budget. If scope items are added to the project during the design phase we make certain that the client understands the implications and costs associated with each change or addition - prior to officially adding it to the project.

Building Information Modeling

Pickering Associates approaches Building Information Modeling as a very useful tool that can accomplish goals that extend beyond the typical design and construction phases of the project. Defining the specific project expectations is critical for the owner and designers. We work with the owner and start with their anticipated use of the BIM model once construction is complete. From there, we work through the design schedule incorporating all aspects of BIM that will enhance the owners understanding of the project. We will assign model management responsibilities, quality assurance responsibilities, and level of development criteria – all linked to specific schedule milestones. We incorporate clash detection, collaboration tools, visualization capabilities, and analytical studies throughout to benefit the project development process. We utilize these aspects of BIM and elevate them with in-house 3D printing services to provide exceptional professional services. Many or our architectural and engineering leads, designers, and drafters are trained, proficient, and up to date on BIM software. We even have an in-house BIM coordinator that routinely provides training and updates to our staff to ensure that everyone has the proper training to perform the work we do.

Cutting Edge Technology

Pickering Associates approaches Building Information Modeling (BIM) as a tool for quick design concept generation that will continually add detail throughout the project and even beyond the construction phase. The ability to visualize a design early on via the 3D model allows high level decisions to be clearly identified and addressed during the beginning phases of the project – typically where potential impacts to project cost/schedule is greatest. Defining specific expectations is critical for key stakeholders and BIM allows our design teams to address those expectations much earlier in a project than a traditional 2D workflow.

Efficient visual communication and an in-depth design understanding are the greatest assets that BIM brings to the table at Pickering Associates. The composite model allows our team to accelerate project development and simplify conversations during design reviews. Having the capability to visualize all of the design models together in a single review session aides both inter- and intra-department collaboration like never before. Capturing all client and designer comments and feedback within a 3D model live during a review session saves countless hours of paging through "redlines" generated from traditional 2D physical paper reviews. The added capacity to search and export reports of these virtual comments allows our team to capture and track design communications more efficiently than ever before.

3D Scanner

Pickering Associates has invested in state-of-the-art 3D Scanning technologies to more quickly and accurately document existing site conditions. This helps our design teams capture existing site data in more detail and in a format the blends well with our 3D modeling and BIM workflows. This tool allows us to send a small scanning team into an existing building/space and virtually document the conditions of the area in three dimensions, including detailed color photographs throughout the scanned area for design teams to reference throughout the project. This data capture implementation is safer and more efficient for our designers. It reduces the time and equipment needed for traditional hand-measuring that our industry has been accustomed to throughout the years. Granting our designers the ability to virtually measure items directly on a 360 degree image to an accuracy within 1/8" right from their desk, where they have the greatest access to design tools is unprecedented in our region!

Aerial Mapping

Pickering Associates has recently obtained certification through the FAA's Part 107 Remote Pilot process to operate Unmanned Aircraft Systems (UAS) commercially. As cutting edge technology continues to evolve, Pickering Associates is able to fulfill client needs further by providing high-quality aerial imagery and three-dimensional aerial mapping.

Currently, Pickering Associates is capable of employing the use of two UAS: the Yuneec Typhoon 4K and/or the DJI Mavic Pro to fulfill client needs of high quality imagery and 4K video. In addition to imagery and video, the DJI Mavic Pro allows for the capturing of 3D point cloud data to be incorporated into CAD design files. In addition, the data obtained by the DJI Mavic Pro has the capability of being integrated with the Faro 3D scanning system, and ultimately be intertwined with our firm's ability to 3D print models. The functions of these images and videos can range from Pre-Construction documentation of large scale projects to construction progress documentation to As-Built documentation. They can also be used as marketing and inspection tools.

Related Prior Experience

Type
Government

Services
Mechanical
Electrical

The Wood County Commission replaced the aging air handlers in the courthouse in two phases. The first phase replaced the units serving the first and second floors. Pickering Associates was involved in the second phase of the project, which replaced the air handling units serving the third and fourth floors.

Pickering Associates provided limited engineering services in order to bid and replace four new packaged 10-ton indoor air-handling units with hot water coil option in the attic space of the courthouse, two new outdoor 20-ton air cooled condensing units and boilers for supplying hot water to coils in air-handling units.

Construction was difficult due to the location of the equipment, and the necessary routing though old chases in this historic facility.

Due to the current weather conditions at the time of construction, it was necessary to keep the existing units in operation until the last possible moment. Changeover was coordinated for unoccupied periods.

Type

Government

Services

Architectural

Construction Administration

Project Management

Prior to merging with Pickering Associates in 2016, Associated Architects was hired by the Air National Guard to design a Fire, Crash and Rescue Station for Yeager Airport. The 20,000 SQ FT facility was completed in the summer of 2006, and includes 12 apparatus bays, which were designed to be able to serve both the flight deck as well as the building on and off campus, living areas, a full kitchen and dorms. This unit also houses the main communications for the Guard's responsive units, with high security requirements for both the protection of the building and also the flight deck. The design included unique elements such as the gravity fed foam fill stations, individual overhead waterfill stations for each bay, hazardous decontamination wash down rooms, air fill rooms and 15 second open garage doors.

The project team worked with the Air National Guard, Yeager Airport and key stakeholders to make sure all programmatic needs were accommodated. The completed project cost was more than $4.5 million.

Contact: Capt. Fredrick Thomas, P.E., Air National Guard | 304.341.6649

Type

Government

Services

Architecture

Project Management

Construction Administration

Pickering Associates was contracted by Mondo Building and Excavating on behalf of Washington Electric Cooperative to provide design-build services for a new 30,000 SF office and warehouse building. The Client had outgrown their existing facility and was utilizing more than one location to house their operations. This new building allowed the client to maintain all of their operations under one roof while factoring in future growth for the company. Pickering was the Architect of Record as a consultant to the contractor on this project, and provided architectural, civil, mechanical, electrical, mechanical and plumbing design for the project.

The design-build team for this project provided the owner with a new LEED certified building that met all of their needs. Our services also included LEED design, LEED management, and limited construction administration services.

Scope of work included: Grading for roadway relocation, site grading, sediment and erosion control, storm water management design, foundation design, interior and exterior retaining wall design, anchor bolt embedments, plumbing plans, storm water design, natural gas piping design, HVAC design assistance, building code review, architectural drawing assistance and review, and a fire protection plan with building code information.

Pickering attended project coordination meetings with the client and contractor, completed all required AIA documents for the project, submitted drawings for permitting, reviewed contractor shop drawings, reviewed pay applications, performed the final walk-through with the client, and managed the LEED design services for the project.

The project team was successful in obtaining LEED certification for the project.

Type

Education

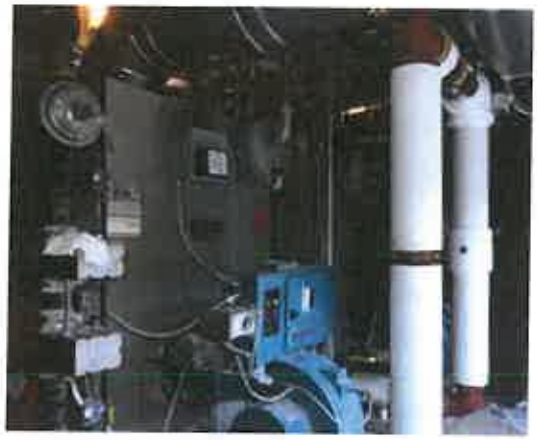
Services

Electrical

Mechanical

Plumbing

Construction Administration



Pickering Associates and the contracting firm BBL Carlton were hired by Glenville State College Housing Corporation to engage in a Design-Build contract to construct a multi-use building for combined administration and residential functions. This project serves as an example of our experience with Electrical Upgrades and Utility Improvements, as well as elevator design. The installed elevator included braille, audio signals, and was ADA compliant.

The facility houses college maintenance offices and approximately 480 beds in its dormitory portion. It was built on the site of an existing on-grade parking lot and several other existing buildings. The design not only provided for student dormitories, but incorporated spaces for the Glenville State College Physical Plan and Wesley Foundation.

HVAC design, electrical distribution engineering including a transformer and secondary underground feeder conductors, standby power systems, electrical distribution to floors, receptacles and lights, outdoor lighting and other electrical needs, interior plumbing design and all associated drawings were included in Pickering Associates' scope.

Project Management was also a part of Pickering Associates' work and this included imperative design build team meetings and phone communications to complete a quality project within the allotted schedule.

Pickering Associates was the Engineer of Record for Electrical, Mechanical and Plumbing Services. Prior to merging with Pickering Associates in 2016, Associated Architects was hired to provide the Architectural Design for this project.

Type

Private

Services

Architectural
Electrical
Mechanical
Plumbing
Structural
Construction Administration

Pickering Associates was hired by the Historic Colony Theatre Association to provide engineering and architectural design services for the historical renovation of the theatre, working closely with the Theatre Association and grant funding sources as well as the State Historic Review Board to ensure that the project was being designed to meet all necessary requirements.

Our services included architectural, mechanical, electrical, plumbing, structural design and construction administration. Architectural design included design for a new concession area in the main lobby, modifications to the second floor lobby and rest rooms, a new pump room, and coordination with Copperleaf Interiors for material and color selections.

The project was partially funded through Ohio Historic Tax Credits as well as private donors. The theatre is a cornerstone of Marietta's downtown community and recently was chosen as the location for Governor Kasich's State of the State Address.

Contact: Hunt Brawley | 740.373.0894

Type

Education

Services

Plumbing

Mechanical

Electrical

Construction Administration

Bromley Hall was built in 1966 and owned by the Bromley Group. They later sold the building to The College Inn and then bought it back. Ohio University purchased the building in 2001 from The Bromley Group Corporation. The Bromley Hall Plumbing Renovation 2006 Project was awarded to Pickering Associates and will continue previous plumbing renovations. The north wing of the building was the location of the renovation during which domestic waste stacks from the 3rd and 9th floors were replaced. Bathroom fixtures were also replaced. Walls containing asbestos materials were abated. Ohio University administered asbestos abatement in several walls, however, Pickering Associates was responsible for construction coordination with other prime contractors. The scope beyond plumbing included electrical and general trades. All electrical fixtures, devices and wiring were replaced within the bathrooms and portions of the bedrooms. New doors, paint finish, floor tile, shower stalls, bath cabinetry, and partition walls were installed under general trades work.

Scope of design services included: Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, Construction Phase, and Post Construction Phase. During the Construction Phase, Pickering Associates provided no less than 24 hours per week on-site construction administration, including progress meetings and handling of all supplemental contractor instruction. Process and approval of payments, change orders, and University Facilities & Maintenance coordination was a weekly responsibility through the entire construction phase of the project.

David Boggs, PE was the lead engineer for this project.

Type

Government

Services

Civil

Survey

Project Management

Construction Administration

Pickering Associates provided structural, civil, electrical, controls system design services and construction administration to the City of Marietta for a multi-phased project to increase capacity and performance of the Waste Water Treatment Plant. This project included new screeners, raw sewage pump station, centrate pump station, final clarifiers, MLSS splitter box, new UV equipment, raw activated sludge pump station, and high river pump station.

The total construction cost for this project is approximately $14MM. Pickering Associates also assisted in the application and presentation for all EPA and local permits, along with OWDA funding.

Type

Education

Services

Electrical

Construction Administration

Pickering Associates began their working relationship with West Virginia University at Parkersburg on a project to upgrade the Fire Alarm and Detection System in their Main Building. This performance by Pickering Associates pleased WVUP so much that they immediately hired us to begin work on several additional projects.

Pickering Associates was hired to provide all Electrical design work and managed the bid process and Construction Administration for an electrical upgrade in WVU-P's downtown facility. This project serves as an example of Pickering Associates' experience with Electrical Upgrades.

In order to fully upgrade the electrical systems, the project entailed the complete demolition and removal of the existing electrical distribution systems and service entrances. A new service entrance, main distribution panel and associated distribution panelboard were also required.

Zac Campbell, PMP, served as the lead electrical engineer for this project.

Type

Government

Services

Architectural
Civil
Survey
Structural
Mechanical
Electrical
Construction Administrator

Primary Office

Parkersburg, WV

Pickering Associates completed a major renovation project at the Marietta City Hall and Fire Department Building on Putnam Street in Downtown Marietta, Ohio. The new building design provided upgrades for the City that would gain the most impact with the least amount of construction dollars. Upgrades were made to City offices, police department and the fire department. The renovation was essential to alleviate space deficiencies and included many upgrades that were necessary for building code and ADA compliance.

Scope of work for the project included upgrades to the Mayor's office suite, relocation of the Auditor's office and Treasurer's Office, relocation of the Police department to provide a more functional space out of the flood plain, and upgrades for the fire department. Some of the major goals that were accomplished for this project include: Addition of a new three-stop elevator that provided ADA access to all levels of the building, new ADA compliant toilet facilities, consolidation of Police department operations for a more functional program, upgrades to all mechanical, electrical , and plumbing systems, a new EPDM roof and exterior upgrades, as well as a new training and meeting room for the current fire department.

Pickering Associates provided conceptual design services and overall master planning for the project, and worked with the various City departments to fully understand the needs of each group. Our architects and engineers also assisted the City with many presentations to City Council and various City committees, in order to provide an understanding of the project scope and anticipated construction budget. These presentations were important for the project to gain City and Community acceptance and approval before progressing into construction. Once approved, construction drawings were prepared, and Pickering provided full Bidding and Construction Administration services for the project - including constructability reviews and project inspections for the City throughout the duration of the project.

Design was completed December 20, 2013. Construction was complete by October 2014.

Contact: Eric Lambert, City Engineer | 740.373.5495 | ericlambert@mariettaoh.net

Type

Government

Services

Architecture

Project Management

Construction Administration

The Washington County Public Library contacted Pickering Associates after discovering the need to replace the existing clay tile roof and tin lingering in the existing built-in gutter at the Main Branch Library in Marietta, Ohio. The building was built in 1918 and expanded in 1997 to include a second floor and mezzanine. Several repairs have taken place over the years in an effort to extend the life-span of the existing roof and tin lined gutter.

Pickering Associates provided the design services to replace the clay tile roof and tin lining in the built-in gutters in order to provide a long term solution for the Washington County Public Library's roof issues. Additionally, Pickering Associates provided project management, bidding and construction administration services.

Pickering Associates' team performed the field surveying of the existing roof area and recorded relevant information for design purposes, documented the existing conditions required for new design, and inspected the wood roof framing and decking for water damage.

Pickering Associates' architectural team created bid and construction documents. The construction documents consisted of the demolition roof plan and coded notes, new roof plan and coded notes, and roof details pertaining to new roof materials, existing roof materials to remain, built in gutters, roof penetrations, and flashings to convey work to be completed within project scope.

Pickering Associates' project manager and construction administrator reviewed the existing project area and discussed the conditions (known and visible) with the owner. Our project manager/construction administrator created both the AIA front end documents and the roof specifications for bidding the project. Our team distributed the bid packages, scheduled and lead the pre-bid meeting, handled RFI's, scheduled and lead a public bid opening, assisted the owner with contractor selection, scheduled and lead a pre-construction meeting at the site with all involved parties, and scheduled and managed a contract signing/negotiating meeting.

This project was completed on time and on budget.

Type

Private

Services

Architectural
Mechanical
Electrical
Structural

Peoples Bank in Marietta renovated several areas of its main office branch building complex and contracted with Pickering Associates to provide the architectural, mechanical, plumbing and electrical design for the project. The areas of renovation were designed in two phases and bid as two separate packages with multiple construction phases to ensure employees were not majorly inconvenienced by the renovations.

The first bid package and phase one design included renovating approximately 2,300 square feet of vacant storage areas on the south side of the building into new staff offices and 5,580 square feet of renovation area on the first floor for offices.

Phase two design included renovations to approximately 6,800 square feet of space on the north side of the second floor. The area was occupied by staff offices/areas and now features the company's executive suite, wire transfer, accounts payable, deposit operations and document scan. This phase also featured renovations on the first floor of approximately 4,280 square feet for training, consumer credit and user support. An area encompassing approximately 5,600 square feet of the fourth floor was also renovated for items processing, credit, special assets collections and the statement rendering group. Lastly, 1,660 square feet of the first floor was renovated the marketing department.

Type

Education

Services

Architectural
Civil
Structural
Mechanical
Plumbing
Electrical
Construction Administration

Marietta College and Pickering Associates have established a productive working relationship over the years. Through the various projects, Pickering Associates has been able to provide the college with numerous successful projects. A few of them are below:

Physician's Assistant Building Renovations: Marietta College purchase a local building in downtown Marietta which was previously used as a bar and social hall. Pickering Associates provided design documents for this three story 21,000 sq. ft.. building which would provide additional academic space. The program required the following areas: offices, conference rooms, toilets. classroom for 40 students, clinical instruction space with 18 exam tables, clinical exam rooms, computer room, student break-out rooms and student break and locker area.

Pickering Associates was contracted to renovate both dining halls on campus using the Owner's cafeteria/food service consultant. The project involved all new architectural finishes, mechanical systems, plumbing systems and upgraded electrical systems. Construction took place over the summer and was complete before the return of students.

With the increase in technology and it's subsequent electrical demands having increased since most buildings on campus were built over 100 years ago, it became increasingly necessary to conduct an Electrical Reliability Study. Subsequently, Pickering Associates engineered the electrical upgrade which included new primary distribution equipment and electrical feeders.

Due to aging conditions and a desire to meet ADA requirements, Pickering Associates provided design documents to upgrade the bathrooms in Mary Beech, Elsie Newton, Marietta and Webster Halls. In addition to new water supply, drain, waste and vent replacement in these multi-floor residence halls, renovations focused on new fixtures and interior updates such as tile, counter tops, partitions and other accessories.

Type
Government

Services
Architectural

Prior to joining Pickering Associates, Traci Stotts was the Project Architect for a renovation project as a representative of another firm.

The Halifax County Courthouse Renovations, located in Halifax County, Virginia, included 7000 SF of renovations to an existing county building. The project's goal was to alleviate overcrowding and provide more functional spaces for these county services. The Renovations included a new courtroom design to accommodate over 125 occupants, clerk area, judge chambers, circuit court areas, police officer lounge, witness rooms, holding cells and miscellaneous support spaces.

Type

Government

Services

Electrical Engineering
Mechanical Engineering
Project Management
Construction Administration

The City of Vienna, West Virginia contracted with Pickering Associates to review the emergency generator installations and configurations at both the Vienna Volunteer Fire Department and the Vienna Police Department. The generator was reconfigured to be connected to the existing fire department and the new facility.

The connection from the police department to the generator was removed and a new generator was installed and utilized for the police department only. All the existing installations were corrected to meet all applicable local codes and standards.

Our engineers reviewed all the existing emergency generator configurations and installations at the venues. They provided the design and engineering to correct all the existing electrical installations associated with the emergency generator and provided the design and engineering to reconfigure the existing emergency generator to the police station. The team provided the design and engineering to install a new natural gas emergency generator and all associates equipment to connect to the existing police station.

All aspects of the project were coordinated with the Mayor of Vienna and all associated parties.

Contact: Robert Rush | 304.295.4511 | robrush@vienna-wv.com

Type

Higher Education

Services

Architectural

Interior Design

Construction Administration

Washington State Community College in Marietta, Ohio contracted with Pickering Associates to provide architectural services for ADA restroom review. The College desired to have all existing public restroom and staff restroom facilities in their main building reviewed for ADA compliance, and a plan put in place for correcting all areas that did not meet current ADA requirements. Pickering worked with the Client to identify all restroom facilities that needed to be reviewed and provided plans for potential renovations that the Client could use to modify their facilities for ADA compliance - as funds became available.

Eleven existing restroom areas were reviewed as part of this project in various parts of the main building and items such as toilet stall dimensions, fixture locations, accessory locations & mounting heights, and door swings were reviewed for each area. Once deficiencies were noted, a plan was then put in place to make corrections to each space for it to comply with current ADA requirements. Plans were developed for each area for the Client to use for permitting and construction purposes. Pickering coordinated all work with Mark W. Dodd with Washington State Community College.

Type

Private

Services

Civil
Environmental
Project Management
Construction Administration

The Heron's Nest Marina is a constructed marina and condominium development located in Williamstown, West Virginia along the Ohio River. For this project Pickering Associates utilized our full range of abilities to provide surveying, civil, structural, and environmental services. Pickering's civil engineers provided detailed construction designs for this project that included site grading, sediment/erosion controls, utility ties, and master planning with our in-house landscape architects.

Through this development four large sediment retention ponds were designed for the purposes of meeting stormwater standards for West Virginia. These ponds are designed to retain stormwater and induce groundwater infiltration rather than discharging to nearby waterways. Each pond has an overflow to a discharge pipe which would only be engaged during larger rain events.

Per the stormwater permit for these retention ponds, the discharge on a quarterly basis from these ponds were not to exceed a set criteria for the analyte of Total Recoverable Iron in grab samples. To help insure permit compliance, Pickering's Environmental team utilizes Thermo Scientific Nalgene Stormwater Sampler kits to obtain quarterly samples from each pond. These samples are collected by Pickering staff, processed through a third party laboratory, and are reported to WVDEP on behalf of the project's owner.

This data has shown to be invaluable to the projects owner as it helped identify early construction errors. Upon analyzing samples exceeding the target standard, Pickering's Environmental and Civil staff collaborated to provide the project's owner with solutions to resolve the problem causing the samples to exceed. This data collection effort is on-going and will be managed by our team until the permit requirements have been accomplished.

References

Marietta College

Letter of Reference

Since 1999, Pickering Associates has been Marietta College's local "go to" electrical design and full service architect-engineering firm for both new construction and renovation. Following are the more significant projects that they have completed for me:

- Master Plan and design for the upgrade and extension of underground high voltage distribution system. This work was completed in four phases to support five major construction projects. Pickering Associates coordinated design effort, design schedule, and phased completion of work with five different lead architect firms. Their effective communications with the firms outside this region and with local permit and building authorities resulted in no change orders or schedule delays attributable to their effort.
- Life Safety Upgrades to Dorothy Webster Residence Hall. Retrofitted emergency lighting, general lighting, fire detection and alarm system into a three story, 17,000 square foot building constructed in the 1870's.
- Residence Hall Restroom Renovations. Designed the repair by replacement of restroom fixtures, ventilation, shower enclosures, partitions and finishes in five residence halls.
- Gilman Hall and Andrews Hall Food Service Renovations. Designed the electrical and lighting and HVAC systems for a $2 million renovation of two kitchens and student dining areas.

On all these projects Pickering Associates controlled costs without compromising the quality of the final product. What I most appreciate is the level of effort that all disciplines put into their on-site investigation during the planning and programming phase. When you have a tight budget established by your Board of Trustees and a tight schedule driven by the return of students, this additional effort can reduce change orders that will cost time and money.

In my opinion, because of the high quality of their plans and specifications, Pickering Associates has an excellent professional reputation in the general contractor community so, as an Owner, I feel like a get the advantage of the most competitive bid

Please feel free to contact me at (740)-376-4367 for any additional information that may help you select the most qualified firm for your work

Sincerely,

Fred R. Smith, PE
Director, Physical Plant

City of Marietta

ENGINEERING DEPARTMENT
304 Putnam Street – Marietta, Ohio 45750
Phone (740) 373-5495 – Fax (740) 376-2080
www.mariettaoh.net

April 20th, 2016

To whom it may concern,

Pickering Associates has worked with the City of Marietta on our City Hall Building Renovations, Armory Elevator Renovations, Waste Water Treatment Plant, as well as multiple other projects over the past several years, providing Architectural, Engineering and Surveying services for the city.

From initial project planning, design development and bidding, through contracting, construction administration and closeout, Pickering Associates has been beside the City of Marietta to provide any necessary support needed to make the project successful. Traci Stotts, Ron Arnold, and other Architects, Designers and Engineers, worked closely with our staff to run projects as efficiently as possible.

Their team has provided us with quality bidding/construction drawings and specifications, allowing us to receive accurate bids, which in turn, allows us to move ahead expeditiously from bidding to contracting. They have shown a clear understanding of the bidding and contract administration process, which truly helps make our job easier.

It has been a pleasure working with the staff at Pickering Associates, and I would not hesitate to recommend them for similar projects.

Sincerely,

Joseph R. Tucker

Joseph R. Tucker, PE
City of Marietta

Polymer Alliance Zone of West Virginia

Come grow with us!

May 19, 2016

To Whom It May Concern:

Pickering Associates worked with Polymer Alliance Zone, Inc. on our 80,000 square foot pre engineered warehouse building at Polymer Technology Park in Davisville, WV. The project was funded through WV Economic Development Administration (WVEDA) and the Infrastructure Joint Development Council (IJDC).

From initial project planning, design development and bidding, through contracting, construction administration and closeout, Pickering Associates was beside PAZ to provide any necessary support needed to make this project successful. Their professional team of Architects, Designers and Engineers, worked closely with our staff to make sure the design accommodated all of our needs.

It has been a pleasure working with the staff at Pickering Associates, and I would not hesitate to recommend them for projects of any type and magnitude. I continue to look forward to our future working relationship with their team.

Sincerely,

Karen L Facemyer

Karen Facemyer
President/CEO
Polymer Alliance Zone, Inc.

#1 Polymer Way, Davisville, WV 26142 Tel. 304-428-1622 888-711-1143 Fax 304-428-1667 www.pazwv.org

Physical Plant Department
Wood County Schools Maintenance
4701 Camden Avenue
Parkersburg, WV 26101

Phone: 304-420-9568
Fax: 304-420-9570

January 15, 2016

TO: Whom It May Concern

RE: Customer Reference – Pickering Associates, Inc.

Pickering Associates, Inc,. have performed a wide variety of jobs for Wood County Schools in the past ten years. Pickering has handled project design and management for seven major roof replacement projects totaling in excess of $5 million. Pickering has also performed engineering and site management on several HVAC, structural, and access control projects in the last decade. The Pickering team I have personally worked with – Jeff Hosek, Zac Campbell, Dave Boggs, Traci Stotts, Ron Arnold, Keri Dunn, and Ryan Taylor have always been very professional, accomplished good work, and been easy to work with.

I have no problems recommending Pickering Associate's for any of the above mentioned projects – I don't think you will be disappointed.

Sincerely,

Garry H. Cooper
Physical Plant Director

April 18th, 2016

To whom it may concern,

Pickering Associates has worked with the City of Vienna on our Police Department Annex, Volunteer Fire Department, and Senior Center, as well as multiple other projects over the past several years, providing Architectural, Engineering and Surveying services for the city.

From initial project planning, design development and bidding, through contracting, construction administration and closeout, Pickering Associates has been beside the City of Vienna to provide any necessary support needed to make the project successful. Traci Stotts, Ron Arnold, and other Architects, Designers and Engineers, worked closely with our staff to make sure the design accommodated all of our needs.

Pickering Associates has consistently completed projects for us satisfactorily. Their team clearly exhibits a thorough understanding of the bidding and construction administration process, which makes for smooth-running projects.

We have enjoyed working with the staff at Pickering Associates and appreciate their work for the City of Vienna.

Sincerely,

609 29th Street, P.O. Box 5097, Vienna, WV 26105 *Phone:* 304.295.4541 *Fax:* 304.295.0737

June 1, 2018

To Whom It May Concern:

I am writing to recommend the professional services we receive from Pickering Associates. Mark Mondo Building and Excavating has worked with Pickering Associates for many years. We have always received prompt, professional, collaboration, and insight when working with them. From simple phone call Q & A, to full service project management, and the myriad of negotiations and regulations of a project, Pickering Associates delivers the services that keep us building projects, year after year. As complicated as a project can be, it is good to know that so many disciplines are so well represented in one firm.

As a regular user of their output, I find that their construction documents to be second to none. Their attention to detail and clarity of presentation is so important when trying to convey the design of a project. Better drawings mean better projects. Simple as that.

John H. Anderson
Project Manger | Business Development
Mark Mondo Building and Excavating
740-376-9396
740-236-6006 Mobile
john@mondobuilding.com

WASHINGTON STATE
COMMUNITY COLLEGE
Be Inspired. #BeWSCC

710 COLLEGIATE DRIVE MARIETTA, OH 45750 | 740.374.8716 | WWW.WSCC.EDU

March 22, 2018

Traci Stotts
Pickering Associates
11283 Emerson Avenue
Parkersburg, WV 26104

Dear Traci,

On behalf of the College, I would like to thank you and the entire team at Pickering Associates for the outstanding care provided to us during our recent Kitchen Renovation project. The team you spearheaded provided exceptional design services in architectural and engineering for the renovations of our Kitchen and Food Service Prep Areas. We selected Pickering Associates for their expertise and project management skills and also for their ability and willingness to complete the project within our limited time frame.

Our project required Pickering Associates work with several College and kitchen staff to understand the design intent of the area being renovated, as well as the vision of the leadership of the College. Although the project was unpretentious in the area, it included many aspects that required specific architectural, electrical and mechanical expertise and design. In addition, the aesthetic flow of surrounding areas was needed. We are grateful for the way all these items were addressed.

Above average and uncommon performances by your team included most importantly the listening and addressing of our needs for this project. The guidance and recommendations provided, which required a high level of extra time and involvement by each member of the team including architects, engineers and support staff, were immeasurable.

We are also very appreciative that the design team was able to provide the architectural and engineering services for our project that were necessary to obtain the required permits. Those activities were again within an extremely tight and uncommon time frame. Once again the team was able to effectively coordinate with numerous authorities having jurisdiction and obtained the approvals that were necessary for the construction to start.

We have enjoyed working with the entire Pickering team and are looking forward to future projects with you and your organization.

With sincere gratitude,

Jess N. Raines

JESS N. RAINES, CPA
VICE PRESIDENT OF FINANCE & OPERATIONS
TREASURER

DIRECT 740.885.5621
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jraines@wscc.edu